

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| | | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal same voltage\$1 and appl\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 and respectively same first same (sub-frame\$6 or sub adj frame or sub same frame) period, wherein (n+1)-th to 2n-th signal voltages are to be applied to the first to n-th pixel electrodes respectively in a second sub-frame period, wherein response periods of liquid crystal of the first to n-th pixels from when the first to n-th signal voltages are applied to when the (n+1)-th to 2n-th signal voltages are applied respectively are calculated, and wherein in an order of the calculated response periods of liquid crystal of the first to n-th pixels from longest to shortest, the (n+1)-th to 2n-th signal voltages are applied to the first to n-th pixel electrodes in the second sub-frame period | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:19 |
| L1 | 308 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:16 |
| L2 | 0 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal same voltage\$1 and appl\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 and respectively same first same (sub-frame\$6 or sub adj frame or sub same frame) same period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:21 |
| L3 | 88 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal\$6 same voltage\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:21 |

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|----|----|---|---|----|----|------------------|
| L4 | 0 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal\$6 same voltage\$1 and appll\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:22 |
| L5 | 39 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal\$6 same voltage\$1 and Apply\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:22 |
| L6 | 0 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal\$6 same voltage\$1 and Apply\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 and respectively same first same (sub-frame\$6 or sub adj frame or sub same frame) same period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:23 |
| L7 | 0 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal\$6 same voltage\$1 and Apply\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 and first same (sub-frame\$6 or sub adj frame or sub same frame) same period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:23 |
| L8 | 2 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal\$6 same voltage\$1 and Apply\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 and first same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:24 |

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|-----|----|--|---|----|----|------------------|
| L9 | 2 | driv\$6 same liquid same crystal same display and first same n-th same pixel\$6 and first same n-th same signal\$6 same voltage\$1 and Apply\$6 and first same n-th same pixel\$1 same electrode\$1 and first same n-th same pixel\$1 and first same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:31 |
| L10 | 15 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:32 |
| L11 | 14 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 same short\$6 same signal\$6 same voltage\$1 same appl\$6 same pixel\$1 same electrode\$1 same second same sub-frame\$6 same period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 09:49 |

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|-----|----|--|---|----|----|------------------|
| L12 | 14 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 same short\$6 same signal\$6 same voltage\$1 same appl\$6 same pixel\$1 same electrode\$1 same second same sub-frame\$6 same period\$1 and "345"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 10:50 |
| L13 | 14 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 same short\$6 same signal\$6 same voltage\$1 same appl\$6 same pixel\$1 same electrode\$1 same second same sub-frame\$6 same period\$1 and "345"/\$.ccls. and gray\$6 same scal\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 10:58 |

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|-----|----|--|---|----|----|------------------|
| L14 | 0 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 same short\$6 same signal\$6 same voltage\$1 same appl\$6 same pixel\$1 same electrode\$1 same second same sub-frame\$6 same period\$1 and "345"/\$.cccls. and gray\$6 same scal\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:00 |
| L15 | 15 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:00 |
| L16 | 4 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:01 |

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|-----|---|---|---|----|----|------------------|
| L17 | 4 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:02 |
| L18 | 1 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:35 |
| L19 | 0 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 same short\$6 same signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame\$6 same period\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:04 |

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|-----|---|--|---|----|----|------------------|
| L20 | 1 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:05 |
| L21 | 1 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 same signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame\$6 same period\$1 and "345"/\$.ccls. and gray\$6 same scal\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:06 |

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|-----|---|--|---|----|----|------------------|
| L22 | 1 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 same period\$1 same liquid same crystal same calculate\$6 and order\$6 same calculate\$6 same response\$6 same period\$1 same liquid same crystal same pixel\$1 same long\$6 same signal\$6 same voltage\$1 same appl\$6 same pixel\$1 same electrode\$1 same second same sub-frame\$6 same period\$1 and "345"/\$.ccls. and gray\$6 same scal\$6 and short\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 11:07 |
| L23 | 2 | "6473117".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:28 |
| L24 | 0 | "6473117".pn. and sub adj frame same green | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:30 |
| L25 | 0 | "6473117".pn. and (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) same green | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:31 |
| L26 | 0 | "6473117".pn. and gray\$6 adj scale\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:31 |
| L27 | 2 | "6473117".pn. and contrast\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:31 |

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| L28 | 1 | "20020075216" and (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) same green | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:34 |
| L29 | 1 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 and period\$1 and calculate\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:37 |
| L30 | 4 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:39 |
| L31 | 7852874 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 and calculate\$6 or compute\$6 or add\$6 or multiply\$6 ot subtarct\$6 or divid\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:41 |

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|-----|---|--|---|----|----|------------------|
| L32 | 4 | driv\$6 same liquid same crystal same display and pixel\$6 SAME signal\$6 same voltage\$1 SAME Apply\$6 same pixel\$1 same electrode\$1 same (sub-frame\$6 or sub adj frame\$6 or sub same frame\$6) AND period\$1 AND SECOND SAME signal\$6 same voltage\$1 same appli\$6 same pixel\$1 same electrode\$1 same second same sub-frame same period and response\$6 and (calculate\$6 or compute\$6 or add\$6 or multiply\$6 ot subtarct\$6 or divid\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/12 12:43 |
|-----|---|--|---|----|----|------------------|